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NOTICE OF ALLOWANCE AND FEE(S) DUE

23164

750

01/05/2010

LEON R TURKEVICH 2000 M STREET NW 7TH FLOOR WASHINGTON, DC 200363307

EXAMINER				
ALIA, CURTIS A				
ART UNIT	PAPER NUMBER			
0.17.1				

DATE MAILED: 01/05/2010

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/790,204	03/02/2004	Donnie Van Savage	10-009	1034

TITLE OF INVENTION: ROUTER CONFIGURED FOR OUTPUTTING UPDATE MESSAGES SPECIFYING A DETECTED ATTRIBUTE CHANGE OF A CONNECTED ACTIVE PATH ACCORDING TO A PRESCRIBED ROUTING PROTOCOL

APPLN. TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO	\$1510	\$300	\$0	\$1810	04/05/2010

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. PROSECUTION ON THE MERITS IS CLOSED. THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 151. THE ISSUE FEE DUE INDICATED ABOVE DOES NOT REFLECT A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE IN THIS APPLICATION. IF AN ISSUE FEE HAS PREVIOUSLY BEEN PAID IN THIS APPLICATION (AS SHOWN ABOVE), THE RETURN OF PART B OF THIS FORM WILL BE CONSIDERED A REQUEST TO REAPPLY THE PREVIOUSLY PAID ISSUE FEE TOWARD THE ISSUE FEE NOW DUE.

HOW TO REPLY TO THIS NOTICE:

I. Review the SMALL ENTITY status shown above.

If the SMALL ENTITY is shown as YES, verify your current SMALL ENTITY status:

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B. If the status above is to be removed, check box 5b on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and twice the amount of the ISSUE FEE shown above, or

If the SMALL ENTITY is shown as NO:

A. Pay TOTAL FEE(S) DUE shown above, or

B. If applicant claimed SMALL ENTITY status before, or is now claiming SMALL ENTITY status, check box 5a on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and 1/2 the ISSUE FEE shown above.

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III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Mail Stop ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

PART B - FEE(S) TRANSMITTAL

Complete and send this form, together with applicable fee(s), to: Mail Mail Stop ISSUE FEE

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LEON R TURI 2000 M STREE 7TH FLOOR	ΓNW	/2010			Cert	tificate	of Mailing or Transı	nission deposited with the United t class mail in an envelope above, or being facsimile ate indicated below.
WASHINGTON	I, DC 200363307		[(Depositor's name)
								(Signature)
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APPLICATION NO.	FILING DATE		FIRST NAMED INVENT	ГOR		ATTO	RNEY DOCKET NO.	CONFIRMATION NO.
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APPLN. TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE D	UE	PREV. PAID ISSUE	E FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO	\$1510	\$300		\$0		\$1810	04/05/2010
EXAM	INER	ART UNIT	CLASS-SUBCLASS					
ALIA, CU	URTIS A	2474	370-401000					
Change of correspondence address or indication of "Fee Address" (37 FR 1.363). Change of correspondence address (or Change of Correspondence Address form PTO/SB/122) attached. "Fee Address" indication (or "Fee Address" Indication form PTO/SB/47; Rev 03-02 or more recent) attached. Use of a Customer Number is required.			(1) the names of up or agents OR, altern (2) the name of a sregistered attorney 2 registered patent	2. For printing on the patent front page, list (1) the names of up to 3 registered patent attorneys or agents OR, alternatively, (2) the name of a single firm (having as a member a registered attorney or agent) and the names of up to 2 registered patent attorneys or agents. If no name is listed, no name will be printed.				
PLEASE NOTE: Unl recordation as set forth (A) NAME OF ASSIG	less an assignee is ident h in 37 CFR 3.11. Comp GNEE		data will appear on th T a substitute for filing (B) RESIDENCE: (C	ne par g an a	tent. If an assigne ssignment. and STATE OR C	OUNT	RY)	ocument has been filed for up entity
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10/790,204	03/02/2004	Donnie Van Savage	10-009 1034	
23164 75	90 01/05/2010		EXAM	INER
LEON R TURKI	EVICH		ALIA, CI	URTIS A
2000 M STREET I	NW		ART UNIT	PAPER NUMBER
7TH FLOOR WASHINGTON, I	OC 200363307		2474 DATE MAILED: 01/05/201	0

Determination of Patent Term Adjustment under 35 U.S.C. 154 (b)

(application filed on or after May 29, 2000)

The Patent Term Adjustment to date is 914 day(s). If the issue fee is paid on the date that is three months after the mailing date of this notice and the patent issues on the Tuesday before the date that is 28 weeks (six and a half months) after the mailing date of this notice, the Patent Term Adjustment will be 914 day(s).

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) WEB site (http://pair.uspto.gov).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (571)-272-7702. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at 1-(888)-786-0101 or (571)-272-4200.

	Application No.	Applicant(s)	
	10/790,204	SAVAGE ET AL.	
Notice of Allowability	Examiner	Art Unit	
	Curtis A. Alia	2474	
The MAILING DATE of this communication app All claims being allowable, PROSECUTION ON THE MERITS IS herewith (or previously mailed), a Notice of Allowance (PTOL-85 NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT R of the Office or upon petition by the applicant. See 37 CFR 1.31 1. This communication is responsive to Amendment filed 3 N	S (OR REMAINS) CLOSED) or other appropriate comi RIGHTS. This application is 3 and MPEP 1308.	in this application. If not included nunication will be mailed in due cour	se. THIS
	NOVEITIDEI 2009.		
2. The allowed claim(s) is/are <u>1-23,26,27 and 30-44</u> .			
 Acknowledgment is made of a claim for foreign priority of a) All b) Some* c) None of the: 1. Certified copies of the priority documents have 2. Certified copies of the priority documents have 3. Copies of the certified copies of the priority documents have 	e been received. e been received in Applica	tion No	from the
* Certified copies not received:			
Applicant has THREE MONTHS FROM THE "MAILING DATE" noted below. Failure to timely comply will result in ABANDONI THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.		ile a reply complying with the require	ments
4. A SUBSTITUTE OATH OR DECLARATION must be subminformal PATENT APPLICATION (PTO-152) which give			CE OF
5. CORRECTED DRAWINGS (as "replacement sheets") mu	st be submitted.		
(a) I including changes required by the Notice of Draftsper	son's Patent Drawing Revi	ew (PTO-948) attached	
1) ☐ hereto or 2) ☐ to Paper No./Mail Date	_·		
(b) ☐ including changes required by the attached Examiner Paper No./Mail Date	's Amendment / Comment	or in the Office action of	
Identifying indicia such as the application number (see 37 CFR each sheet. Replacement sheet(s) should be labeled as such in			к) of
 DEPOSIT OF and/or INFORMATION about the deposit attached Examiner's comment regarding REQUIREMENT 			the
Attachment(s)	_		
1. Notice of References Cited (PTO-892)		Informal Patent Application	
2. Notice of Draftperson's Patent Drawing Review (PTO-948)		Summary (PTO-413), b./Mail Date	
3. Information Disclosure Statements (PTO/SB/08), Paper No./Mail Date	7. 🛛 Examiner	's Amendment/Comment	
4. Examiner's Comment Regarding Requirement for Deposit	8. 🛚 Examiner	's Statement of Reasons for Allowan	ce
of Biological Material	9. 🗌 Other	<u></u> .	
/Curtis A Alia/	/Aung S. Mo	e/	
Examiner, Art Unit 2474	"	atent Examiner, Art Unit 2474	

DETAILED ACTION

Continued Examination Under 37 CFR 1.114

1. A request for continued examination under 37 CFR 1.114, including the fee set forth in 37 CFR 1.17(e), was filed in this application after final rejection. Since this application is eligible for continued examination under 37 CFR 1.114, and the fee set forth in 37 CFR 1.17(e) has been timely paid, the finality of the previous Office action has been withdrawn pursuant to 37 CFR 1.114. Applicant's submission filed on 3 November 2009 has been entered.

Response to Amendment

Applicant's amendment filed 3 November 2009 has been entered. Claims 1, 2, 11, 21, 31 have been amended. Claims 1-23, 26-27 and 30-44 are still pending in this application, with claims 1, 11, 21 and 31 being independent. Please note that AU 2416 has been changed to AU 2747.

Examiner's Amendment

2. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Leon R. Turkevich (Reg. No. 34,035) on 18 December 2009.

The application has been amended as follows:

In the claims:

41. The method of claim 1, wherein the detecting of the change in at least one of the

prescribed attributes of the active path is based on [[a]] detecting a change in a link attribute in

any one of the first active link or the second active link, the change in the link attribute distinct

from availability of the corresponding active link.

42. The router of claim 11, wherein the detecting of the change in at least one of the

prescribed attributes of the active path is based on [[a]] detecting a change in a link attribute in

any one of the first active link or the second active link, the change in the link attribute distinct

from availability of the corresponding active link.

43. The medium of claim 21, wherein the detecting of the change in at least one of the

prescribed attributes of the active path is based on [[a]] detecting a change in a link attribute in

any one of the first active link or the second active link, the change in the link attribute distinct

from availability of the corresponding active link.

44. The router of claim 31, wherein the detecting of the change in at least one of the

prescribed attributes of the active path is based on [[a]] detecting a change in a link attribute in

any one of the first active link or the second active link, the change in the link attribute distinct from availability of the corresponding active link.

In the Specification:

Replace the Paragraph beginning at page 13, line 1 with the following replacement paragraph:

Figure 8 is a diagram illustrating the method of sending an EIGRP update message in response to detecting a dynamic attribute change in an active path, according to an embodiment of the present invention. The steps described herein with respect to Figure 8 can be implemented as executable code stored on a computer readable medium (e.g., floppy disk, hard disk, EEPROM, CD-ROM, etc.), or propagated via a computer readable transmission medium (e.g., fiber optic cable, electrically-conductive transmission line medium, wireless electromagnetic medium, etc.).

3. The following is an examiner's statement of reasons for allowance:

The prior art of record fails to, either alone or in combination with one another, disclose each and every limitation of the claims. In particular, the prior art fails to teach that an active path is defined as including at least a first and second active links each terminated by the router and connecting the router to a first neighboring router that terminates the first and second active links, and that the first and second active links are each configured for sending or receiving Internet Protocol (IP) packets.

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Previously cited reference to Grover et al. (US 6,377,543) discloses a distribution network in which a circuit switching configuration includes multiple parallel circuit links each terminated by neighboring switches. However, Grover is directed to a Digital Crossconnect system and not an Internet Protocol packet switching system. Since the claims recite that the active links send or receive IP packets, Grover does not teach that the first and second active links are each configured for sending or receiving Internet Protocol (IP) packets.

Newly cited reference to MacFarlane et al. (US 6,516,348) discloses a method for displaying capacity information of computer resources, the capacity being monitored and displayed can be an aggregate of multiple parallel WAN connections. In this case, the end user can monitor the total bandwidth available across multiple simultaneous connections. However, the user is monitoring the prescribed attributes of the active path (which MacFarlane reads as bandwidth); whereas the claim explicitly recites that the router is monitoring the prescribed attributes of the active path. Therefore, MacFarlane does not teach this limitation.

Grover, MacFarlane, and the other prior art of record, neither alone nor in combination, teach each and every claim limitation. Therefore, the claims as currently amended are allowable over the prior art of record.

Claims 21-23, 26-27 and 30 are directed toward a computer readable storage medium.

The Specification (after Examiner amendment above) limits the computer readable storage

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medium to floppy disk, hard disk, EEPROM, and CD-ROM and does not include any transitory medium types. Therefore, with the inclusion of only non-transitory media in the definition of computer-readable storage medium, the claim satisfies the statutory requirement for 35 USC 101.

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Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Curtis A. Alia whose telephone number is (571) 270-3116. The examiner can normally be reached on Monday through Friday, 9am-6pm EST.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Aung S. Moe can be reached on (571) 272-7314. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Application/Control Number: 10/790,204

Art Unit: 2474

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/Aung S. Moe/ Supervisory Patent Examiner, Art Unit 2474 /Curtis A Alia/ Examiner, Art Unit 2474 12/18/2009 Page 7

CAA